Miguel Jiménez

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EDUCATION

Ph.D. in Computer Science
University of Victoria • GPA: 3.85/4.0
Expected Dec 2020 | Victoria, Canada
Thesis topic: Continuous software evolution at run-time

M.Sc. in Software Engineering
Universidad Icesi • GPA: 3.87/4.0
Aug 2016 | Cali, Colombia
Thesis: A framework for generating and deploying dynamic performance monitors for self-adaptive systems

B.E. in Systems Engineering
Universidad Icesi • GPA: 3.21/4.0
Feb 2014 | Cali, Colombia
Dean's List—Semesters VI, VII, VIII & IX
Thesis: PaSCAni: A language for V&V of functional requirements at run-time

CONTINUING EDUCATION

IBM Machine Learning and IoT Foundations—IBM

Software Engineering Lifecycle of IoT Systems—NSERC CREATE DITA

Entrepreneurship Laboratory with Mobile Technologies—MIT AITI

SKILLS

TECHNICAL SKILLS
Architecture Design
Containerized Applications
Continuous Delivery
Cloud Computing
Data mining (basic)
Infrastructure as Code
Language Engineering
Object Oriented Programming
Performance Monitoring
Software Deployment
Web programming

PROGRAMMING
Java • Xtend • JavaScript • CSS • HTML • C • Python • LaTeX • C# • Shell • Android (familiar) • SQL (familiar)

PERSONAL INTERESTS
Gym, Soccer, Hackathons

ONLINE PROFILES

github.com/jachinte
linkedin.com/in/jachinte

EXPERIENCE

Freelance Developer

Carvajal Espacios
2015 | Cali, Colombia
- Developed a web application for the purchasing department to manage raw material catalogs and suppliers as well as material search statistics.
- Led meetings with the customer to elicit the software requirements.
- Planned and coordinated development tasks for a team of 2.

Laboratorios LaFrancol
2015 | Cali, Colombia
- Developed a web application for the purchasing department to create online auctions and invite partner suppliers to bid. I was part of a team of 3.

SQL Soluciones Informáticas
2012 | Cali, Colombia
- Advised the customer on hardware and software purchasing and technical decision making.
- Developed an information system for a premier trolley service for ticket management, printing and selling.

Software Developer | SQL Soluciones Informáticas
2009 – 2010 | Cali, Colombia
- Deployed and managed the corporate website and customer support portal
- Developed a content management site for documentation and video tutorials
- Designed advertisement for digital and print marketing campaigns

RESEARCH

Graduate Research Assistant | Rigi Research Group
Aug 2016 – Present | University of Victoria, Canada

Conduct research and collaborate with the development team of IBM Cloud Automation Manager to develop round-trip engineering mechanisms for infrastructure as code, and automate continuous experimentation for deployments on the cloud.

Graduate Research Assistant | i2T/DRISO Research Group
Jan 2014 – Aug 2016 | Universidad Icesi, Colombia

Identified challenges in performance monitoring of self-adaptive systems and created two domain-specific languages for dynamic monitoring and distributed deployment.

Research Assistant Intern | i2T/DRISO Research Group
Jun 2013 – Dec 2013 | Universidad Icesi, Colombia

Conducted quantitative experiments for the matrix multiplication problem.

HONORS AND AWARDS

Year	Award	Organization
2019	🏆 First place in DITA Hackathon	IBM Canada and York University
2019	🏆 Best Poster Presentation	SEMLA and CSER joint poster session
2018+	Travel Scholarship (2 times)	CRA-URMD Grad Cohort
2017+	UVic Graduate Award (3 times)	University of Victoria
2017	Howard E. Petch Scholarship	University of Victoria
2017	IBM Advanced Studies Grant	IBM
2017	🏆 Cleanest Code at HackUVic	UVic Development Club (local judge)
2016	Doctoral Fellowship	University of Victoria
2014	Master's Degree Scholarship	Universidad Icesi
2014	Young Researcher Fellowship	Colombian Department of Science
2014	100% Student Loan Waiver	Colombian Institute of Educational Credit
2013	🏆 Top ECAES Exam	Colombian Institute for Higher Education
2009	Bachelor's Degree Scholarship	Universidad Icesi